

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: **DeWitt, Jr. et al.** §
Serial No.: **Not Assigned** § Group Art Unit: **Not Assigned**
Filed: _____ §
For: **Autonomic Method and Apparatus** §
for Local Program Code Reorganization §
Using Branch Count Per Instruction §
Hardware § Attorney Docket No.: **AUS920030552US1**

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. 1.97

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Applicants request that the information listed on the attached Form PTO-1449 be considered by the Office during the pendency of the above entitled application, pursuant to 37 C.F.R. 1.97.

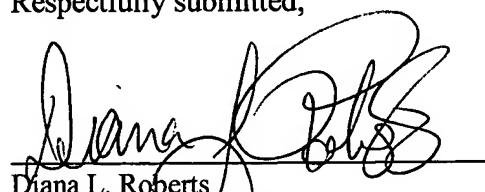
Please charge any fees necessary for prosecution of the present application to Deposit Account No. 09-0447. If any extension of time is required, such extension is hereby requested. Please charge any additional required fee for extension of time to Deposit Account No. 09-0447.

In accordance with 37 C.F.R. 1.97(h), the filing of this Information Disclosure Statement shall not constitute an admission that any information cited therein is, or is considered to be, material to patentability as defined in 37 C.F.R. 1.56(b). In the interest of full and complete disclosure to the Office, some or all of the art cited herein may not be considered by Applicant(s) or the Undersigned to be material under the new standards of materiality defined in 37 C.F.R. 1.56(b), enacted March 16, 1992, but may be material under the old standard of materiality defined in 37 C.F.R. 1.56(a), last amended on November 28, 1988, or may merely be technical background which may be of interest to the Examiner. In accordance with 37 C.F.R. 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made.

This Information Disclosure Statement is being filed under 37 C.F.R. § 1.97(b) within three months of the filing date of the application, or before the mailing date of a first office action on the merits. No fee is required.

Date: 11/12/04

Respectfully submitted,



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Form PTO-1449		ATTORNEY DOCKET NO. AUS920030552US1	SERIAL NO. Not Assigned		
LIST OF PRIOR ART CITED BY APPLICANT <i>(Use several sheets if necessary)</i>		APPLICANT DeWitt, Jr. et al.			
		FILING DATE	GROUP ART UNIT Not Assigned		
U.S. PATENT DOCUMENTS					
EXAMINER INITIAL	DOCUMENT NO.	PUBLICATION DATE	INVENTOR NAME	CLASS/ SUBCLASS	FILING DATE
AA	5,103,394	Apr. 7, 1992	Blasciak	395/575	Dec. 21, 1989
AB	6,330,662 B1	Dec. 11, 2001	Patel et al.	712/236	Feb. 23, 1999
AC	6,480,938 B2	Nov. 12, 2002	Vondran, Jr.	711/125	Dec. 15, 2000
AD	6,430,741 B1	Aug. 6, 2002	Mattson, Jr. et al.	717/154	Feb. 26, 1999
AE	6,189,141 B1	Feb. 13, 2001	Benitez et al.	717/4	May 4, 1998
AF	5,930,508	Jul. 27, 1999	Faraboschi et al.	395/706	Jun. 9, 1997
AG	6,351,844 B1	Feb. 26, 2002	Bala	717/4	Nov. 5, 1998
AH	6,324,689 B1	Nov. 27, 2001	Lowney et al.	717/9	Sep. 30, 1998
AI	6,442,585 B1	Aug. 27, 2002	Dean et al.	709/108	Nov. 26, 1997
AJ	5,774,724	Jun. 30, 1998	Heisch	395/704	Nov. 20, 1995
AK	5,987,250	Nov. 16, 1999	Subrahmanyam	395/704	Aug. 21, 1997
AL	6,192,513 B1	Feb. 20, 2001	Subrahmanyam	717/5	Nov. 2, 1998
AM	5,691,920	Nov. 25, 1997	Levine et al.	364/551.01	Oct. 2, 1995
AN	6,223,338 B1	Apr. 24, 2001	Smolders	717/4	Sep. 30, 1998
AQ	6,101,524	Aug. 8, 2000	Choi et al.	709/102	Oct. 23, 1997
AP	6,256,775 B1	Jul. 3, 2001	Flynn	717/4	Dec. 11, 1997
AQ	6,446,029 B1	Sep. 3, 2002	Davidson et al.	702/186	Jun. 30, 1999
AR	6,134,676	Oct. 17, 2000	VanHuben et al.	714/39	Apr. 30, 1998
AS	5,937,437	Aug. 10, 1999	Roth et al.	711/202	Oct. 28, 1996
AT	6,243,804 B1	Jun. 5, 2001	Cheng	712/228	Jul. 22, 1998
AU	4,291,371	Sep. 22, 1981	Holtey	364/200	Jan. 2, 1979
AV	5,938,778	Aug. 17, 1999	John, Jr. et al.	714/45	Nov. 10, 1997
AW	6,286,132 B1	Sep. 4, 2001	Tanaka et al.	717/4	Jan. 7, 1999
AX	6,206,584 B1	Mar. 27, 2001	Hastings	395/183.11	May 31, 1995
AY	6,374,364 B1	Apr. 16, 2002	McElroy et al.	714/10	Jan. 19, 1999
AZ	6,070,009	May 30, 2000	Dean et al.	395/704	Nov. 26, 1997
BA	5,966,537	Oct. 12, 1999	Ravichandran	395/709	May 28, 1997
DATE CONSIDERED		EXAMINER			
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP § 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.					

Form PTO-1449 LIST OF PRIOR ART CITED BY APPLICANT <i>(Use several sheets if necessary)</i>			ATTORNEY DOCKET NO. AUS920030552US1	SERIAL NO. Not Assigned	
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U.S. PATENT DOCUMENTS					
EXAMINER INITIAL	DOCUMENT NO.	PUBLICATION DATE	INVENTOR NAME	CLASS/ SUBCLASS	FILING DATE
BB	2002/0129309	Sep. 12, 2002	Floyd et al.	714/724	Dec. 18, 2000
BC	2001/0032305	Oct. 18, 2001	Barry	712/34	Feb. 23, 2001
BD	2002/0199179	Dec. 26, 2002	Lavery et al.	717/158	Jun. 21, 2001
BE	2002/0124237	Sep. 5, 2002	Sprunt et al.	717/127	Dec. 29, 2000
BF	2002/0147965	Oct. 10, 2002	Swaine et al.	717/124	Feb. 1, 2001
BG	2002/0019976	Feb. 14, 2002	Patel et al.	717/137	May 25, 2001
FOREIGN PATENT DOCUMENTS					
EXAMINER INITIAL	DOCUMENT NO.	PUBLICATION DATE	COUNTRY	CLASS/ SUBCLASS	TRANSLATION YES NO
BH	JP2000029731	Dec. 8, 1999	Japan	G06F 9/38	<input checked="" type="checkbox"/> <input type="checkbox"/>
BI	JP2000347863	Dec. 15, 2000	Japan	G06F 9/38	<input type="checkbox"/> <input checked="" type="checkbox"/>
OTHER PRIOR ART (including author, title, date, pertinent page, etc.)					
BJ	Kikuchi, "Parallelization Assist System", Joho Shori, Vol. 34, No. 9, Sept. 1993, pp. 1158-1169.				
BK	Cohen et al., "Hardware-Assisted Characterization of NAS Benchmarks", Cluster Computing, Vol. 1, No. 3, July 2001, pp. 189-196.				
BL	Talla et al., "Evaluating Signal Processing and Multimedia Applications on SIMD, VLIW and Superscalar Architectures", International Conference on Computer Design, Austin, Sept. 17-20, 2000, pp. 163-172.				
BM	Iwasawa et al., "Parallelization Method of Fortran DO Loops by Parallelizing Assist System", Transactions of Information Processing Society of Japan, Vol. 36, No. 8, Aug. 1995, pp. 1995-2006.				
BN	Talla et al., "Execution Characteristics of Multimedia Applications on a Pentium II Processor", IEEE International Performance, Computing, and Communications Conference, 19 th , Phoenix, Feb. 20-22, 2000, pp. 516-524.				
BO	IBM Research Disclosure Bulletin 444188, "Enable Debuggers as an Objective Performance Measurement Tool for Software Development Cost Reduction", April 2001, pp. 686-688.				
RELATED PATENT APPLICATIONS					
EXAMINER INITIAL	APPLICATION NO./ ATTY. DOCKET NO.	APPLICANT	TITLE		FILING DATE
BP	09/435,069 AT9-99-491	Davidson et al.	Method and Apparatus for Instruction Sampling for Performance Monitoring and Debug		Nov. 4, 1999
BQ	08/538,071 AUT919950055US1	Gover et al.	Method and System for Selecting and Distinguishing an Event Sequence using an Effective Address in a Processing System		Oct. 2, 1995
DATE CONSIDERED			EXAMINER		
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U.S. PATENT DOCUMENTS					
EXAMINER INITIAL	DOCUMENT NO.	PUBLICATION DATE	INVENTOR NAME	CLASS/ SUBCLASS	FILING DATE
BR	5,212,794	May 18, 1993	Pettis et al.	395/700	Jun. 1, 1990
BS	5,689,712	Nov. 18, 1997	Heisch	395/704	Jul. 27, 1994
RELATED PATENT APPLICATIONS					
EXAMINER INITIAL	APPLICATION NO./ ATTY. DOCKET NO.	APPLICANT	TITLE		FILING DATE
BT	Not Assigned AUS920030477US1	DeWitt, Jr. et al.	Method and Apparatus for Counting Instruction Execution and Data Accesses		Sep. 30, 2003
BU	Not Assigned AUS920030478US1	Levine et al.	Method and Apparatus for Selectively Counting Instructions and Data Accesses		Sep. 30, 2003
BV	Not Assigned AUS920030479US1	DeWitt, Jr. et al.	Method and Apparatus for Generating Interrupts Upon Execution of Marked Instructions and Upon Access to Marked Memory Locations		Sep. 30, 2003
BW	Not Assigned AUS920030480US1	DeWitt, Jr. et al.	Method and Apparatus for Counting Data Accesses and Instruction Executions that Exceed a Threshold		Sep. 30, 2003
BX	Not Assigned AUS920030481US1	DeWitt, Jr. et al.	Method and Apparatus for Counting Execution of Specific Instructions and Accesses to Specific Data Locations		Sep. 30, 2003
BY	Not Assigned AUS920030482US1	DeWitt, Jr. et al.	Method and Apparatus for Debug Support for Individual Instructions and Memory Locations		Sep. 30, 2003
BZ	Not Assigned AUS920030483US1	Levine et al.	Method and Apparatus to Autonomically Select Instructions for Selective Counting		Sep. 30, 2003
CA	Not Assigned AUS920030484US1	Levine et al.	Method and Apparatus to Autonomically Count Instruction Execution for Applications		Sep. 30, 2003
CB	Not Assigned AUS920030485US1	Levine et al.	Method and Apparatus to Autonomically Take an Exception on Specified Instructions		Sep. 30, 2003
CC	Not Assigned AUS920030486US1	Levine et al.	Method and Apparatus to Autonomically Profile Applications		Sep. 30, 2003
CD	Not Assigned AUS920030487US1	DeWitt, Jr. et al.	Method and Apparatus for Counting Instruction and Memory Location Ranges		Sep. 30, 2003
CE	Not Assigned AUS920030550US1	DeWitt, Jr. et al.	Autonomic Method and Apparatus for Counting Branch Instructions to Improve Branch Predictions		
CF	Not Assigned AUS920030551US1	DeWitt, Jr. et al.	Autonomic Method and Apparatus for Local Program Code Reorganization Using Branch Count Per Instruction Hardware		
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